

PERFECT CONCEPTS FOR THE INDUSTRIAL AND ENVIRONMENTAL TECHNOLOGY

HIGH-TECH TUBING SOLUTIONS

for the industrial and environmental technology



Your contact

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YOUR PARTNER FOR COMPLETE SOLUTIONS.

We are offering both complete solutions as well as special products customized to your needs. Our heat-shrink tubing, wires, cables and identification products are used successfully in industrial and environmental systems thanks to their excellent chemical, thermal and physical properties. By applying highest development standards and using state-of-the-art economical production methods we achieve a product and delivery reliability for which GREMCO is renowned in the industry.

THE SPECIALIST FOR INDUSTRIAL TECHNOLOGY.

Whether mechanical or electrical engineering, robotics, construction machinery and agricultural vehicles or cabling systems and sensor technology – for use in the most diverse industrial applications, GREMCO offers high-quality electrical wires and cables, heat-shrink tubing, braided and insulation tubing as well as shielding components against EMC effects.

YOUR SPECIALIST IN ENVIRONMENTAL TECHNOLOGY.

GREMCO provides fast and simple answers to the increasing demand for reliable technical components in environmental technology. This includes LitzWire for generators in the high-frequency range and motor windings for wind turbines, UL heat-shrink tubing for use in photovoltaic installations, as well as braided sleeving as protection against pecking by birds in solar energy.

INTERNATIONAL KNOW-HOW FOR A GLOBAL WORLD.

We combine our competence with the expertise of our long-term cooperation partners in Europe, the USA and Mexico to achieve the highest levels of innovation and quality. Modern production facilities in Europe, the USA, Central America and Asia also guarantee reliable and first-rate quality. Our highly qualified staff is looking forward to assisting you with any technical issues or design challenges you may have.

RESPONSIBILITY FOR PEOPLE AND THE ENVIRONMENT.

We are committed to complying with and where possible exceeding environmental protection laws. We do this not just because we have to but because it is, in our view, the right thing to do. Reducing our environmental impact is an ongoing goal. We are happy to work with customers or suppliers on projects to further this goal. Please get in touch!

 ${\sf GREMCO} \ will \ always \ {\sf act} \ in \ {\sf accordance} \ with \ health \ and \ safety \ laws.$

For further information regarding GREMCO's product range and potential industrial and environmental technology applications please do not hesitate to contact us.

We look forward to hearing from you.

G. Fersch

Your GREMCO Team

2

POLYOLEFIN HEAT-SHRINK TUBING

FITCOTUBE® - thin-wall

	Description	Typical Application	Temp. range	Shrink ratio	Shrink Temperature
FT100 UL	Exceptionally high-quality, flexible, flame-retardant tubing, available in various colours.	Insulation, mechanical relief and protection against environmental influence.	-55°C +135°C	2:1	+90°C
FT300 UL	Exceptionally high-quality, flexible, flame-retardant tubing with high shrinkage capacity, available in various colours.	Protection and insulation of parts with large diameter differences.	-55°C +135°C	3:1	+90°C
FT330	Flexible, flame-retardant, general purpose tubing with high shrinkage capacity.	Ideal multi-purpose shrink tubing, as a wide range of diameters can be covered with just a few sizes. Reduced storage costs!	-55°C +125°C	3:1	+90°
FT400	Exceptionally high-quality polyolefin shrink tubing (flexible and flame retardant), with very high shrinkage capacity.	Excellent for repair, protection and insulation of already assembled cables and parts with very large diameter differences.	-55°C +135°C	4 : 1	+90°C
FT500	Flexible, flame-retardant, general purpose tubing, available in various colours.	Sheathing, insulation and marking of wires and cables.	-55°C +125°C	2:1	+90°C
FT555	Halogen-free, radiation cross-linked heat shrink tubing made of flexible material. Outgassing-free according to VW 50180 (2019-04), VW50181 (2003-03), Fogging behavior according to PV 3015 (2019-03).	Insulation and marking of wires and cables.	-70°C +135°C	2:1	+90°C
FT700	Radiation-crosslinked, non-melting shrink tubing with a glossy surface.	Protection of components that require a smooth surface quality.	-55°C +105°C	2:1	+120°C

POLYOLEFIN HEAT-SHRINK TUBING

FITCOTUBE® - dual-wall / medium-wall / heavy-wall

	Description	Typical Application	Temp. range	Shrink ratio	Shrink Temperature
Dual-wall (adh	esive)				
FT800 UL	Radiation-crosslinked heat shrink tubing, adhesive-coated, with high shrinkage capacity.	Very suitable for moisture and waterproof encapsulation of wires, cables, crimp and plug connectors and other electrical and mechanical components.	-55°C +125°C	3:1 and 4:1	+110°C
FT888	Radiation-crosslinked, commercial heat shrink tubing made of flexible, adhesive-coated material with high shrinkage capacity.	Well suited for moisture and waterproof encap-sulation of wires, cables, crimp and plug connectors and other electrical and mechanical components.	-55°C +110°C	3:1 und 4:1	+110°C
FT900	Semi-rigid tubing with heat-melting inner layer.	Sealing and encapsulation of permanent line and cable connections.	-55°C +110°C	3:1 to 5:1	+150°C
Medium-wall					
FT-SNM	Medium-walled shrink tubing with high shrinkage capacity.	For use as excellent electrical insulation in heavy current engineering, among other applications.	-40°C +120°C	4:1	+125°C
FT-SNME	Medium-walled shrink tubing made of adhesive- coated material with high shrinkage capacity.	For electrical insulation, pressure-tight sheathing, corrosion and moisture protection for all ranges of power supply, for telecommunications technology and in pipeline construction.	-40°C +120°C	4:1	+125°C
Heavy-wall					
FT-SNH	Heavy-wall tubing with high shrinkage capacity.	For electrical insulation, pressure-tight sheathing, corrosion and moisture protection for all ranges of energy supply, for telecommunication technology and in pipeline construction.	-40°C 120°C	3:1	+125°C
FT-SNHE	Heavy-wall, adhesive- coated tubing with high shrinkage capacity.	Comparable to FT-SNH but with greater protection against moisture due to hot-melt adhesive.	-40°C +120°C	up to 6:1	+125°C

FLUORPOLYMER HEAT-SHRINK TUBING

FITCOTUBE® - thin-wall / dual-wall

	Description	Typical Application	Temp. range	Shrink ratio	Shrink Temperature
Thin-wall					
FT175 UL	Semi-rigid, abrasion resistant, non-flammable Kynar® tubing.	High temperature protection and chemical liquids.	-55° +175°	2:1	+170°C
FT190 UL, CSAUL, CSA	Semi-rigid, highly abrasion-resistant, non-flammable high-temperature PVDF heat shrink tubing for reliable insulation.	Protection of solder and crimp connections for extended temperature requirements. Possesses high chemical stability.	-55°C +190°C	2:1	+175°C
FT275 UL	Flexible, very abrasion resistant, non-flammable heat shrink tubing. Very good chemical resistance.	With requirements of Kynar® heat shrink tubing FT175, but with greater flexibility and better transparency.	-55°C +175°C	2:1	+150°C
TF/TF-R	High temperature resistant, chemical resistant heat shrink tubing made of modified PTFE.	Used for very high ambient temperatures and protection of wires and cables against aggressive chemical substances.	-67°C +250°C	1.5 - 3.5 : 1	+327°C
Dual-wall					
TF/FP (A-Z)	Double-walled, high-tempera- ture resistant PTFE shrink tubing with melting FEP core.	For sealing and encapsulating components with the highest requirements for temperature resistance and/or chemical resistance to very aggressive substances.	-200°C +190°C	1,5 : 1	+346°C +354°C

ELASTOMER AND SILICONE HEAT-SHRINK TUBING

FITCOTUBE® - thin-wall

	Description	Typical Application	Temp. range	Shrink ratio	Shrink Temperature
Elastomer					
FT200	Flexible, very abrasion-resis- tant tubing with very good oil and fuel resistance.	Cable sheathing especially for self-propelled machines, protection of measuring probes.	-75°C +150°C	2:1	+130°C +250°C
FT-R25	Fuel-resistant elastomer shrink tubing with excellent protection and abrasion properties.	Used for reliable insulation, as well as for mechanical and electrical protection of wires and cables, especially in the automotive, military and marine sectors.	-75°C +150°C	2:1	+170°C
FTV	High temperature resistant, very resistant Viton® heat shrink tubing.	Cable sheathing, protection of measuring probes in aggressive environmental conditions.	-40°C +200°C	2:1	+150°C
FT-VD	High-temperature resistant, highly resistant Viton® heat shrink tubing for cable sheathing in aircraft and vehicle construction under extreme mechanical, chemical and thermal loads.	Cable sheathing, protection of measuring probes exposed to high temperature loads and aggressive media.	-55°C +220°C	2:1	+175°C +220°C
Silicone					
FT250	High temperature resistant, halogen-free, very flexible heat shrink tubing made of radiation crosslinked silicone. Chemically resistant.	Extremely flexible, mechanically fixed cable cover with very wide temperature ranges.	-50°C +200°C	2:1	+140°C

SHRINKABLE SOLDER AND CRIMP CONNECTORS

FITCO®SEAL

	Description	Typical Application	Temp. range	Diameter range
FTLV-NT	Low-temperature solder connector that solders, insulates, seals and mechanically relieves in a single operation.	Reliable shielding connections with consistent, repeatable connection quality, connection and termination of temperature-sensitive cables to contact strips and connectors.	-55°C +105°C	0.9 mm 6 mm
FTLV-HT	High-temperature solder connector that solders, insulates, seals and mechanically relieves in a single operation.	Reliable shielding connections with consistent, repeatable connection quality, connection and termination of temperature-resistant cables to contact strips and connectors.	-55°C +150°C	0.9 mm 6 mm
FTLV- SWT9001	Shrinkable, transparent solder connector that solders and insulates in a single operation.	Reliable shield connections with consistent, repeatable connection quality, connection and termination of temperature resistant cables to contact strips and connectors.	-55°C +125°C	0.4 mm 7 mm
FTLV- SWT9551	RoHS-compliant shrinking, transparent solder connector that solders and insulates in a single operation.	Reliable shield connections with consistent, repeatable connection quality, connection and termination of temperature resistant cables to contact strips and connectors.	-55°C +125°C	0.4 mm 6 mm
FITCO®Seal	Extremely durable, waterproof universal crimp connector, waterproof due to insulation with adhesive-coated heat shrink tubing.	Moisture-proof cable splice. Resistant to many liquids.	-55°C +125°C	0.2 mm 6 mm

MECHANICAL PROTECTION SLEEVES

FITCOFLEX®

	Description	Typical Application	Temp. range	Diameter range
FITCOFLEX® B-PET22	Self-extinguishing braided sleeve with RoHS and REACH compliance and made of 0.22 mm thick PET monofilaments.	Bundling and protection of cabling, test cable assemblies and media-carrying cables. Provides good abrasion resistance and excellent protection against oil or chemicals.	-70°C +150°C	3.0 mm 45 mm
FITCOFLEX® I-PET25	Halogen-free, self-extinguishing fabric protection sleeve with RoHS and REACH conformity made of 0.25 mm thick PET monofilaments.	Bundling and protection of cabling, test cable assemblies and media-carrying lines. Provides good abrasion resistance and excellent protection against oil and chemical agents.	-70°C +150°C	3.0 mm 45 mm
FITCOFLEX® I-PA25	Mechanical, halogen- free fabric protective sleeve made of polyamide 6.6 with a very high expansion rate.	Bundling and protection of cabling, test cable assemblies and media-carrying lines. Provides good abrasion resistance and excellent protection against oil or chemical agents.	-40°C +125°C	25 mm 32 mm
FITCOFLEX® I-2PA/PET	Halogen-free, expand- able braided sleeve made of PET and polyamide 6.6. Very good abrasion resistance.	Mechanical protection of pipes, hoses and wiring harnesses and bundling. Chemically resistant. Allows the freeflow of liquids and avoids condensation.	-40°C +150°C	3.0 mm 48 mm
FITCOFLEX® I-PA/2PET	Braided sleeve made of polyamide 6.6 and PET monofilaments with high flexibility and at the same time high abrasion resistance.	Abrasion protection for cable harnesses, pipes, hoses or mounting sensors in demanding environments. Good resistance to oils, liquids and various chemicals.	-40°C +125°C	3.0 mm 60 mm
FITCOFLEX® I-WRAP	Mechanical, halogen- free and tightly woven tape made of PET monofilament and multifilament fibers, which allows subsequent installation or repair due to its open tube shape.	Bundling and mechanical protection of already assembled cable, line and fluid systems. The open structure allows easy and subsequent installation.	-55°C +150°C	3.0 mm 50 mm

BRAIDED FIBERGLASS AND THERMAL REFLECTIVE SLEEVES

HEAT PROTECTION

	Description	Typical Application	Temp. range	Diameter range
FITCOFLEX® GLS SIL	Glass silk sleeve coated with silicone elastomer paint provides thermal, electrical, chemical and mechanical protection.	Use in electrically controlled equipment, heating and air conditioning construction, as well as machine and vehicle construction.	-45°C +230°C	0.3 mm 16 mm
FITCOFLEX® GLS LAC	Woven insulating sleeve made of glass silk with polyurethane lacquer coating as coil material. With RoHS compliance.	First-class thermal, electrical, mechanical and physiological properties for example: transformer construction or the machine industry. Chemically resistant to oils and lubricants.	-20°C +155°C	0.5 mm 30 mm
FITCOFLEX® GLS ROH	Non-combustible glass silk raw sleeve made of e-yarn provides thermal and chemical protection.	Use in high temperature ranges and resistant to acids, bases, oils, esters, ketones, ozone and UV rays. Suitable to gain air space between insulators or for mechanical protection of components.	up to +500°C	0.5 mm 30 mm
FITCOFLEX® Fire Sleeve A	Short-term flame-re- tardant fiberglass heat protection sleeve with silicone rubber coating.	Thermal protection of wiring, conductors, hoses and harnesses from welding sparks, open flames, melting drops of metals, etc.	-54°C +260°C (briefly +1650°C)	6 mm 127 mm

MECHANICAL AND THERMAL PROTECTION TUBING

FITCO® INSULATING TUBE

	Description	Typical Application	Temp. range	Diameter range
PTFE	Extrusions with tight tolerances made of PTFE, with additives if necessary, with high temperature resistance as well as extreme chemical resistance and excellent sliding properties.	Various applications with high demands on temperature and sliding properties as well as the transport of aggressive or hot media. Liner for mechanical actuating cables such as switch cables, emergency releases, door locks, etc.	-67°C +260°C	0.3 mm 39.37 mm
FEP	Tight-tolerance extrusions from FEP with high surface finish and wide temperature operating range.	Highly flexible hoses for transporting aggressive liquids and gases.	-55°C +200°C	0.3 mm 22.91 mm
PFA	Similar to PTFE, but hose produced by a melt extrusion process, with excellent transparency/clarity, flexibility and good sliding properties.	Versatile and suitable for almost all solid, liquid and gaseous media. Furthermore, the PFA tubing is almost transparent, which allows fluids to be accurately observed.	-67°C +260°C	0.3 mm 16.33 mm
Corrugated pipe	Corrugated pipes made of high-quality materials.	Flexible cable protection made of PP, PA6, PA12, Arnitel and PFA.	-80°C +260°C	NW3 NW70
Smoothbore pipe	Extruded pipes and hoses made of high quality materials (PVC, PA, PE, PFA, PUR, PTFE, FEP, ETFE).	Protection of cabling, rubber hoses, as well as metal pipes against abrasion, stone chipping and other environmental influence, as Bowden cable seals and foamed variants for noise insulation.	-75°C +260°C	2.0 mm 50 mm

TEMPERATURE RESISTANT WIRES AND CABLES

WIRES & CABLES

	Description	Typical Application	Temp. range	Diameter range
Wires & Cables	Temperature-resistant, high-strength and extremely flexible electrical wires and cables with fluoropolymer insulation (PTFE, PFA, ETFE, FEP), among others. Despite thin insulation, these materials have high mechanical strength, excellent chemical resistance and incombustibility.	With space and weight saving cabling.	-75°C +260°C (material- dependent)	0.14 mm 70 mm
Coaxial cable	Coaxial cables and micro coaxial cables according to common RG specification and various designs.	Antenna cabling for high-frequency components such as audio, video and multimedia systems, as well as GPS receivers and other radio equipment.	-75°C +200°C (material- dependent)	
Litz-Wire	Individual design of combined and, if necessary, insulated, single baked enamel wires. Reduction of AC losses in high frequency applications. Insulation with different plastics also FEP, PFA or ETFE possible.	Used in power conversion systems and all applications that require additional dielectric strength between windings.	-40°C +250°C	

SHRINK EQUIPMENT AND ACCESSORIES

PROCESSING EQUIPMENT

	Description	Typical Application	Temp. range	Alt. name
HG2520E HG2620E (2300 W) Hot air blower	Electronically controlled hot air blower with brushless motor, digital temperature adjustment via joystick. Air flow regulation from 150 – 500 l/min. Including LCD display and residual heat display. (approx. 10,000 h operating time)	Processing of shrink tubing and solder joints, shrinkage of electronic components. Suitable for construction sites.	+50°C +700°C	Hot air gun Hot air rod
Mecalbi STCS Series Shrink Devices	Mecalbi specializes in the production and development of customized hot air and infrared shrink systems. All devices have a control module in which process parameters such as temperature or shrink time can be set.	Depending on the machine type, one or more shrink tubes can be processed simultaneously. Thus optimally suited for a range of applications with very specific application requirements.		
SQUIX 4M 300 Thermal Transfer Printer	Prints with a print resolution of 300 or 600 dpi, barcodes, serial numbers, markings or logos in excellent quality on shrink tubing.	Designed for printing on shrink tubing in industrial environ-ments and does not require printhead adjustment due to its centered material guidance.		
Cutting machine	Cutting device for precise and economical cutting of heat shrink tubing or fabric tubing to length.	Used for applications that require individual cutting to length of cable protection products.		

COMPONENTS FOR HIGH-TECH SOLUTIONS.

INNOVATIVE PRODUCTS. PROVEN QUALITY.

We have been providing our customers with outstanding advanced high-tech solutions in all areas since 1990. GREMCO stands for state-of-the-art manufacturing methods, the very best quality management and excellent service. In response to the increasing demand for reliable technical components, we have fast and uncomplicated solutions at hand – both for the most diverse industrial fields as well as for use in the rapidly developing sector of environmental technology.

HEAT PROTECTION TUBES.
HEAT-SHRINK TUBES.
BRAIDED SLEEVES.
INSULATING TUBES.
WIRES / CABLES.
SOLDER AND CRIMP CONNECTORS.
PROCESSING EQUIPMENT.

"At GREMCO we take pride in thinking and acting with the target application in mind."

SIMON HENGST, MANAGEMENT



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OUR COMPANY AT A GLANCE

- Leading provider of protective sleeve solutions
- Production facilities in Europe, USA, Mexico and Asia
- High environmental standards
- FITCO® trademark
- Quality management according to ISO 9001:2015
- Excellent material competence
- Complete system solutions
- Custom-made / bespoke products

OUR COMPETENCIES

INDUSTRIAL AND
ENVIRONMENTAL TECHNOLOGY
AUTOMOTIVE INDUSTRY
AVIATION INDUSTRY
MEDICAL TECHNOLOGY

DO YOU HAVE ANY QUESTIONS?

Please give us a call on:

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